

## Maestro CAM Final Checking and Saving

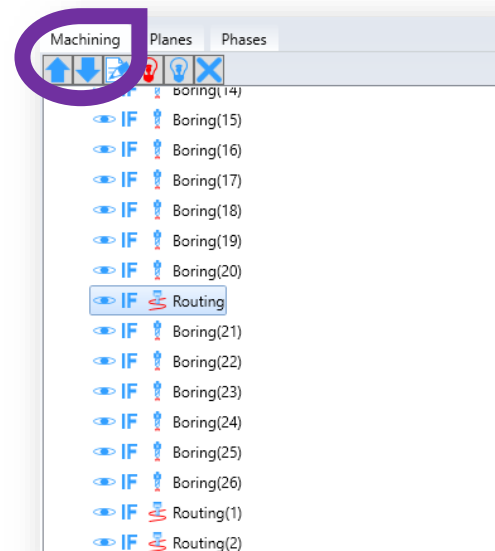
If you are unsure of anything, please don't hesitate to ask UQ Innovate Staff.

Once you have finished with Maestro CAM parts 1-5 and you" tab.

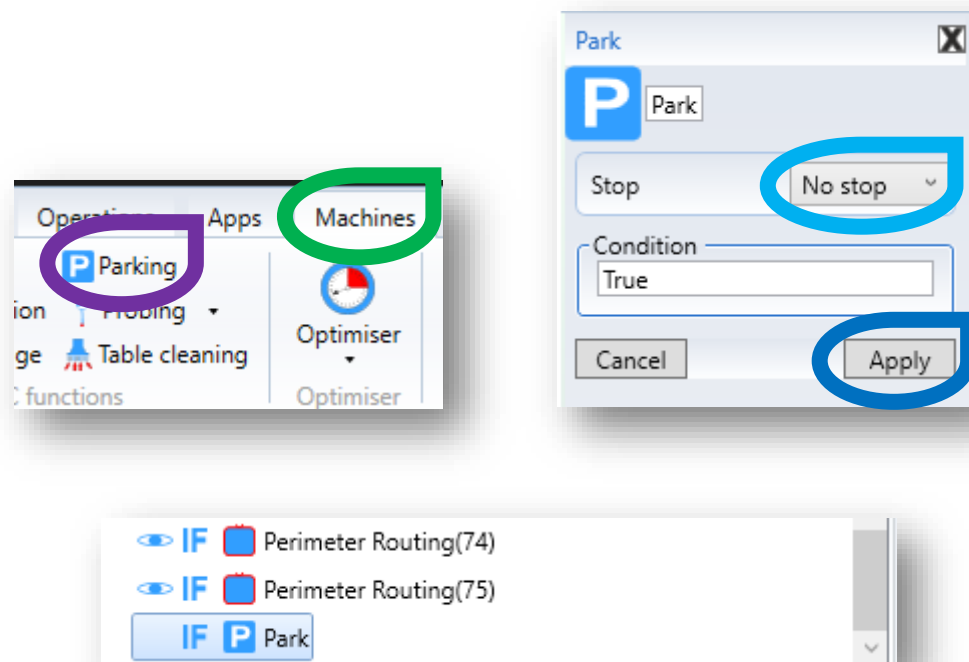
It is important to check all your tool-pathing before saving your project.

Drilling should come first in order of tool-pathing priority, then routing, then pocket forming and last of all Perimeter Routing.

Check the "machining" list to for correct ordering, if it isn't you can either delete and reapply in the correct position or move with "arrows".



The final instruction you will want to add will be a request to “Parking” the machine. This will be found on the “Machines” tab. Make sure you have the last command in the list highlighted before clicking. For an end Park you can use default “No stop”, just click “Apply”.

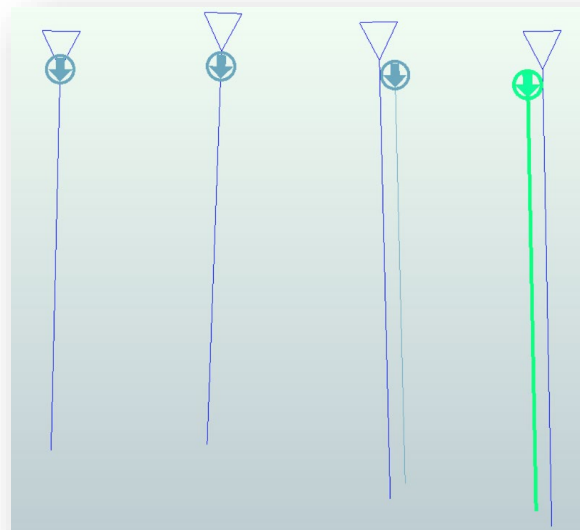


These can also be placed in other positions with “Stop”, “Wait for start” this is useful after drilling if screw fixturing is required.

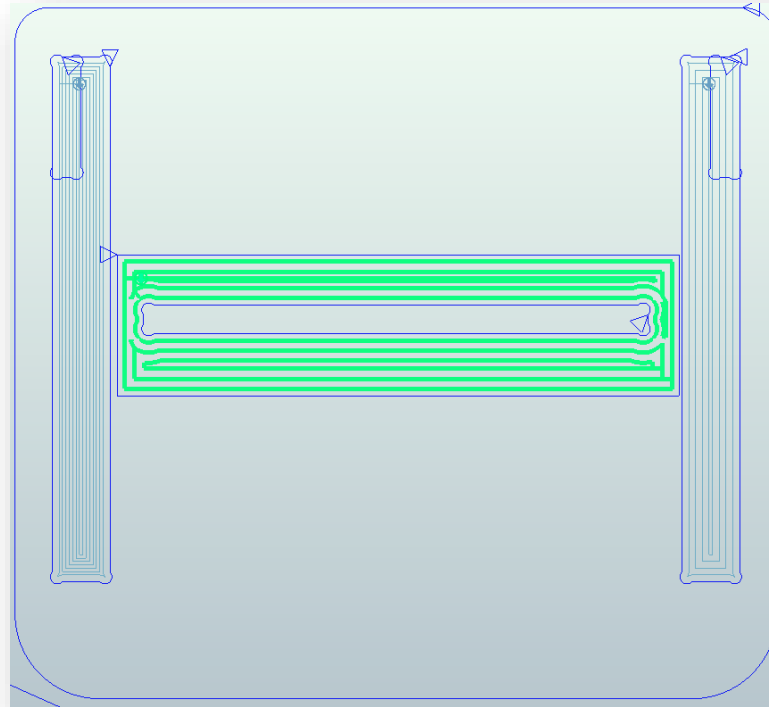
Have all "Boring" geometries been applied, and are the diameters and depths, correct?



Have "Routing" operations been applied and correctly compensated? Are diameters and depths, correct?



Have all “Pocket forming” operations been applied correctly, overlap allowing for material hardness?  
Remember, do not attempt to use helicoidal or multiple passes they are broken.



Have you checked your “Perimeter routings” for the following problems?

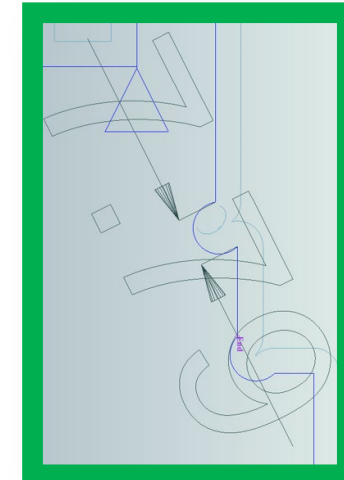
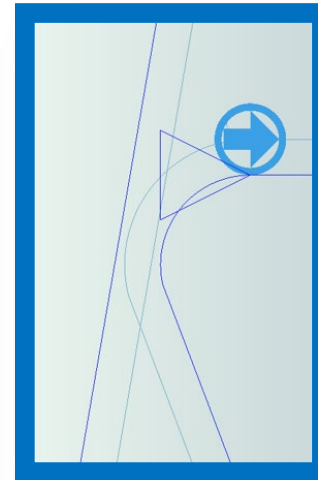
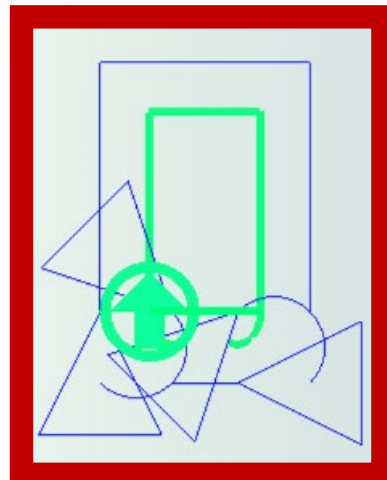
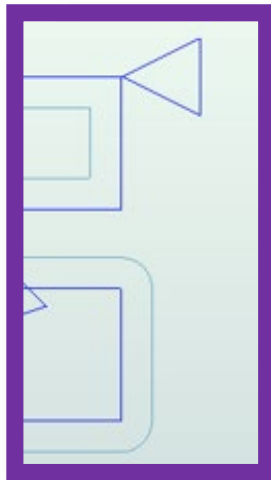
Is your geometry **internal** or **external** and does the toolpath match? This may cause wasted material.

Has there been perimeter cutting applied to **open geometry**? This will break cutters.

Is there enough space between parts or do tool-paths **cross** each other or leads? This will compromise outcomes.

Is there enough room for the **tool size** in your geometry? This will cause unwanted leads.

Tool  $\varnothing+1\text{mm}$  is the rule for spacing in your geometry.

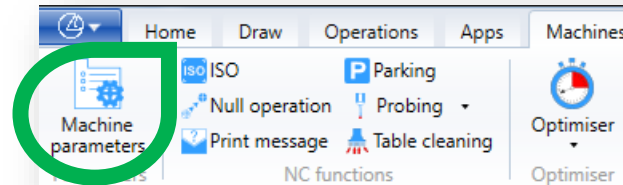


CREATE CHANGE

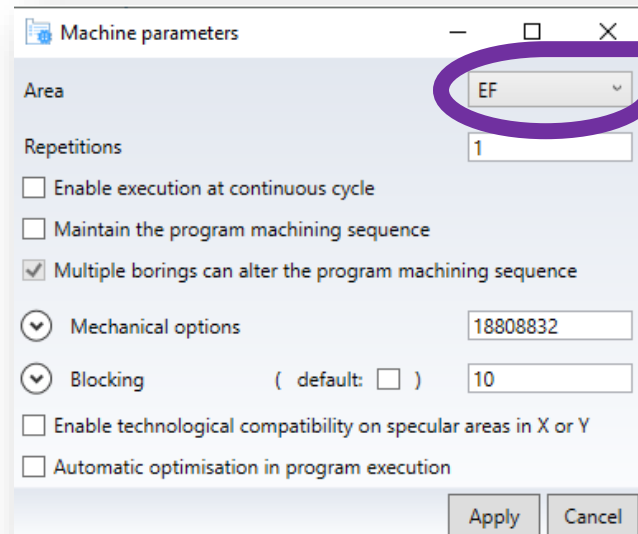
Check that the tooling you have assigned is loaded in the machine by checking the white board at terminal.

Pos	Code	No.	Size Ømm	Reach	Max Cut	Description	Materials	Spill Board Thickness
1	E099	1009	V	5.0	1.0mm	Drag Knife	Rubber\Cloth	13.0
2	E002	1002	80.0	12.0	2.0mm	Face Mill	Wood\Foam	
3	E003	1003	18.0	68.0	10.0mm	End Mill	Wood\Foam	
4	E004	1004	12.0	78.0	10.0mm	Up Cut	Wood\Foam	
5	E005	1005	8.0	40.0	10.0mm	Roughing	All\NF	Current BZ
6	E006	1006	8.0	30.0	5.0mm	Up Cut SF	NF\Plastic	13.0
7	E007	1007	3.0	12.5	2.0mm	Up Cut SF	NF\Plastic	
8	E051	1051	1.5	12	12	Drill	Plastic	
9	E055	1055	5.0	80.0	80.0mm	Drill	All\NF	Key Pin: 013145
10	E010	1010	8.0	35.0	10.0mm	Finishing	Wood\Foam	
11	E011	1011	26.0	13.0	5.0mm	45° Mitre	All\NF	NF=Non-ferrous SF=Single Flute
12	E001	1001	12.0	80.0	10.0mm	Ball Nose	Wood\Foam	

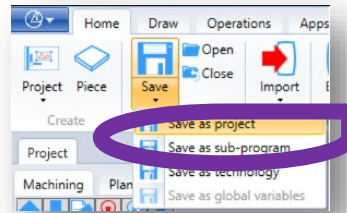
Before saving you may wish to change the work “Area” found under “Machine parameters” in the Machines tab.



EF for half table or EH for full table.



Once you are satisfied there are no apparent problems. Click the drop box under save from the home tab and click “Save as project”



You will then be prompted to name your file make sure you save this onto a USB drive. You should now be ready to run the program.

